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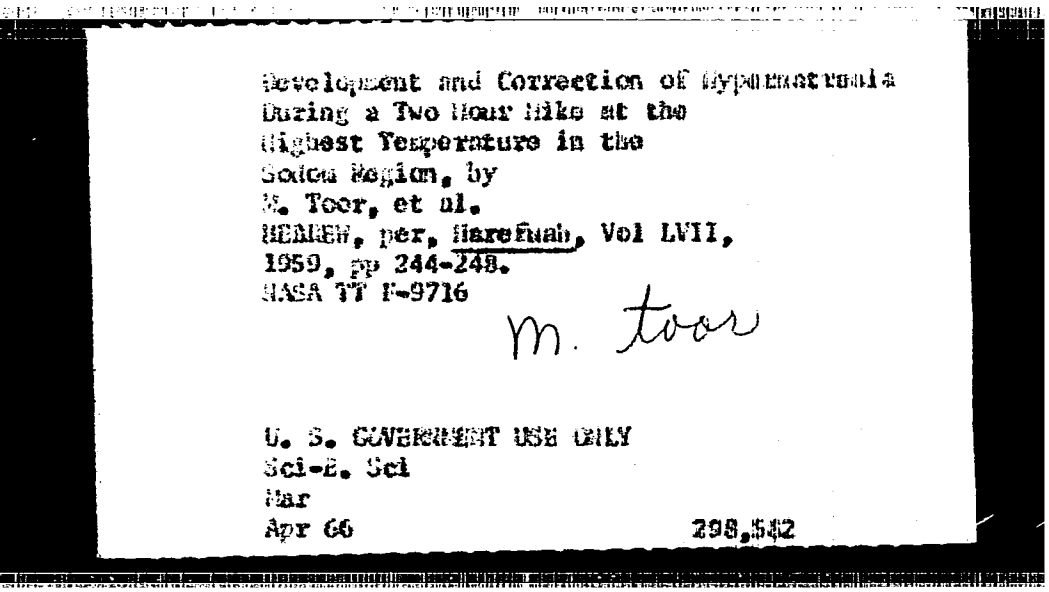

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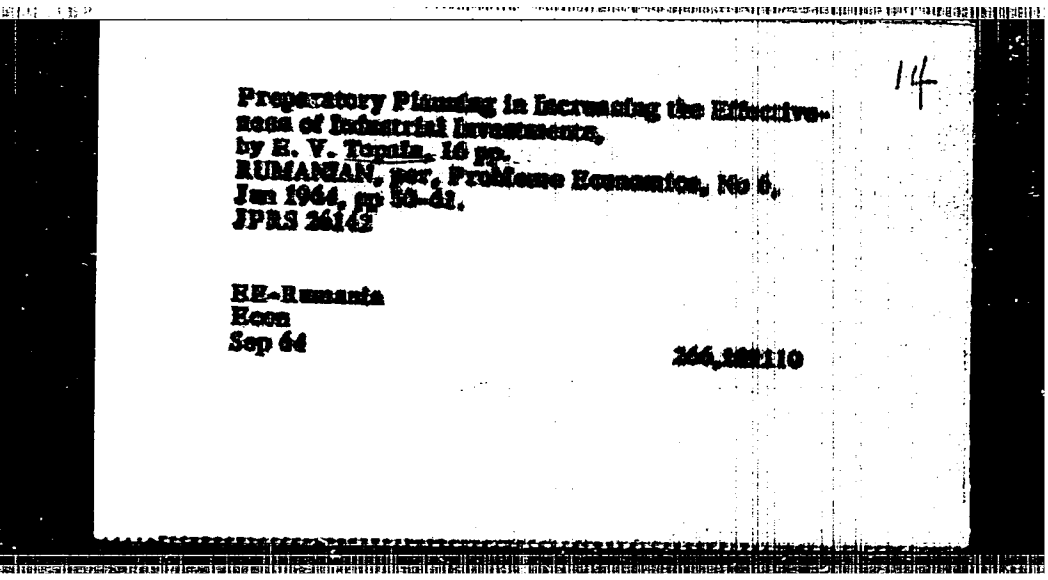

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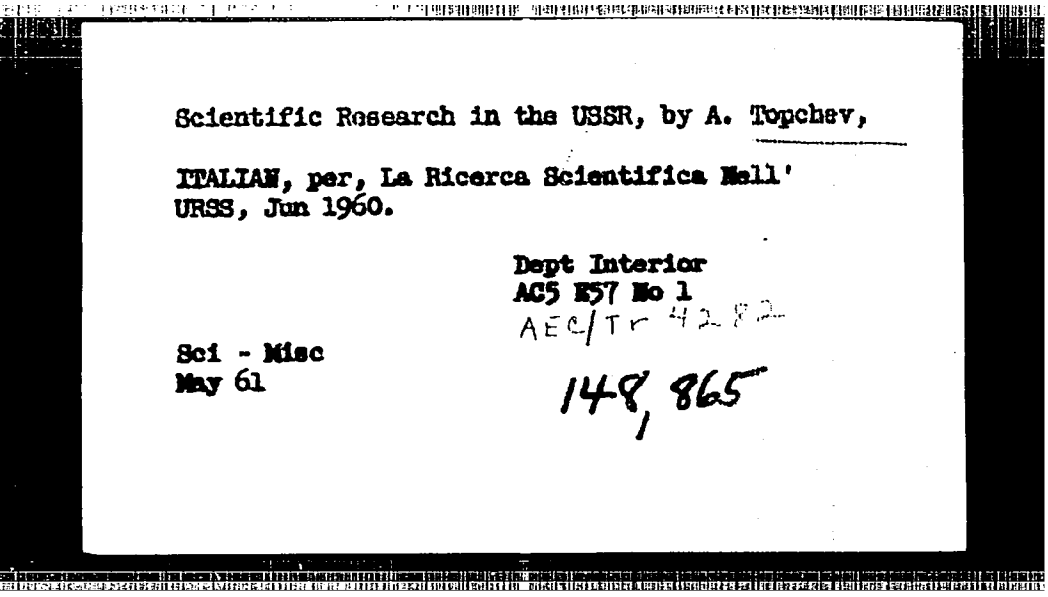

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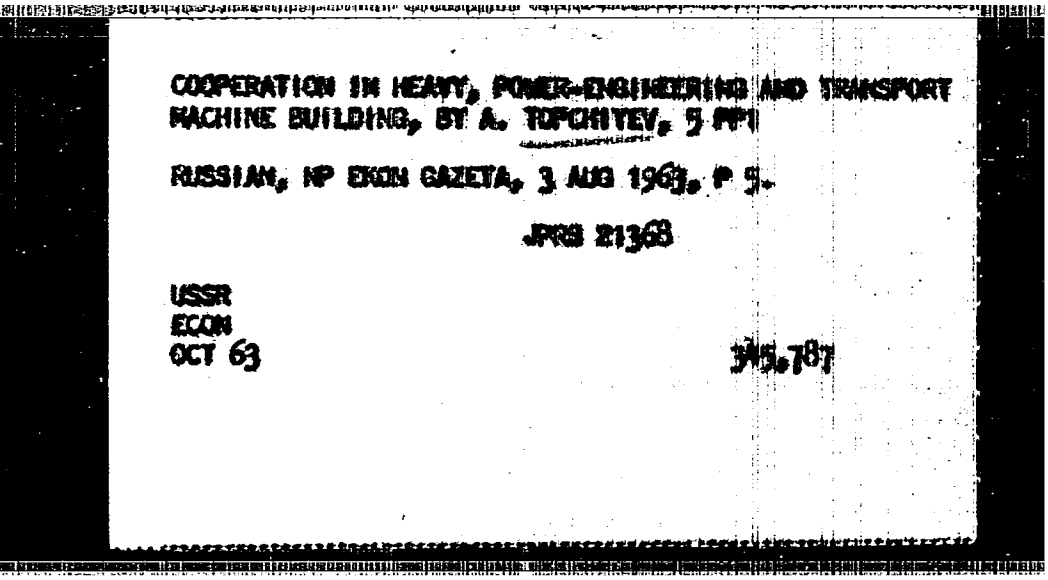

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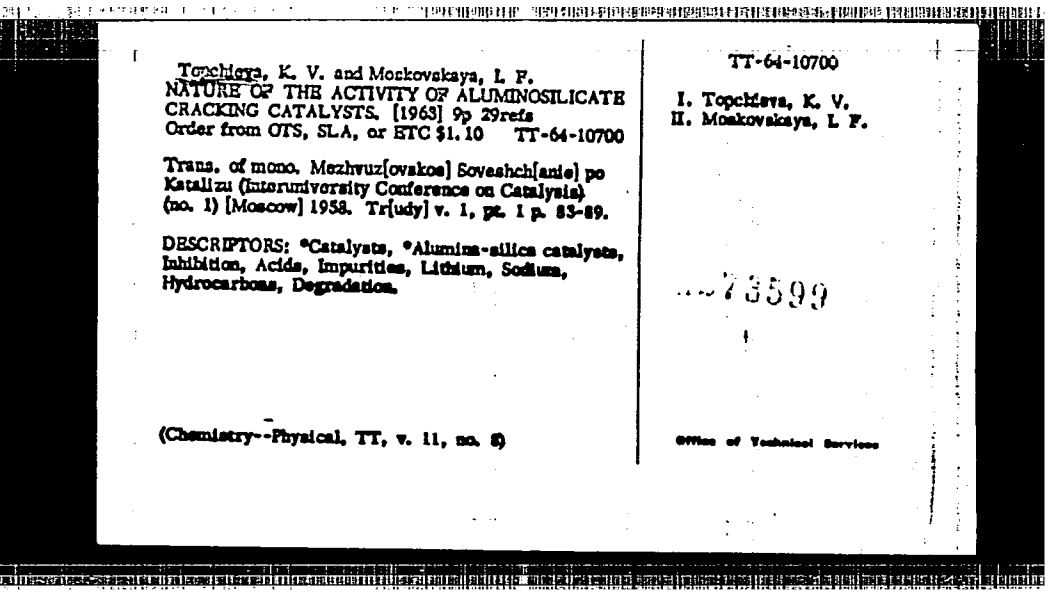

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DESCRIPTORS: *Catalysts, *Alumina-silica catalysts, Inhibition, Acids, Impurities, Lithium, Sodium, Hydrocarbons, Degradation.

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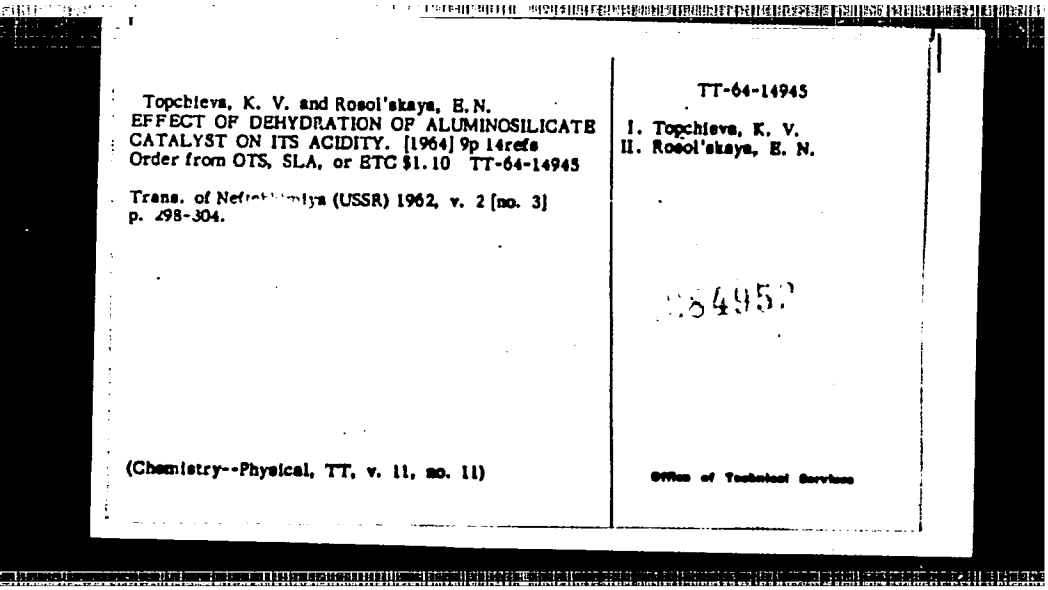

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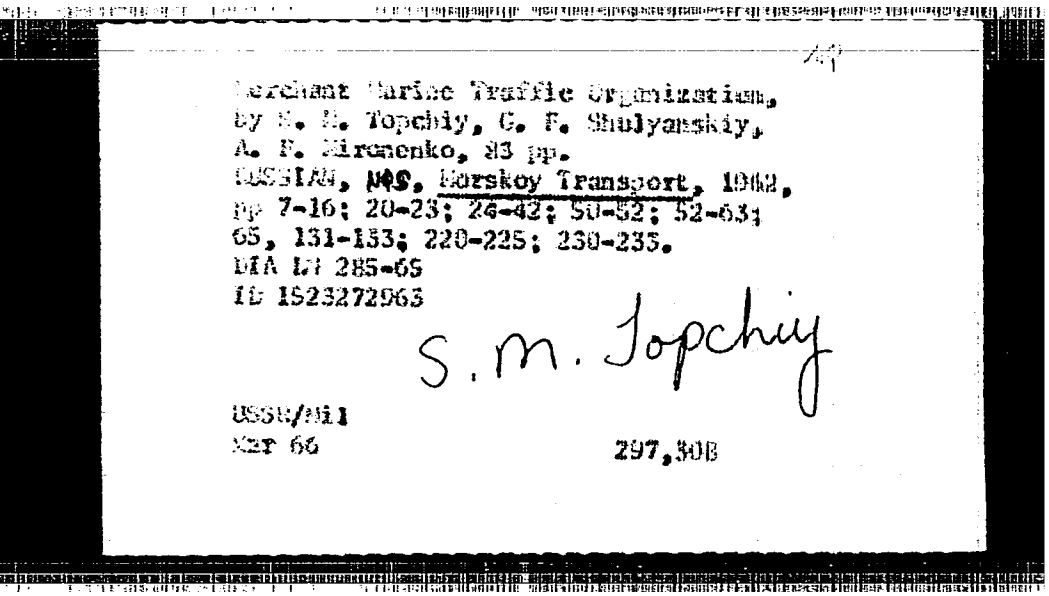

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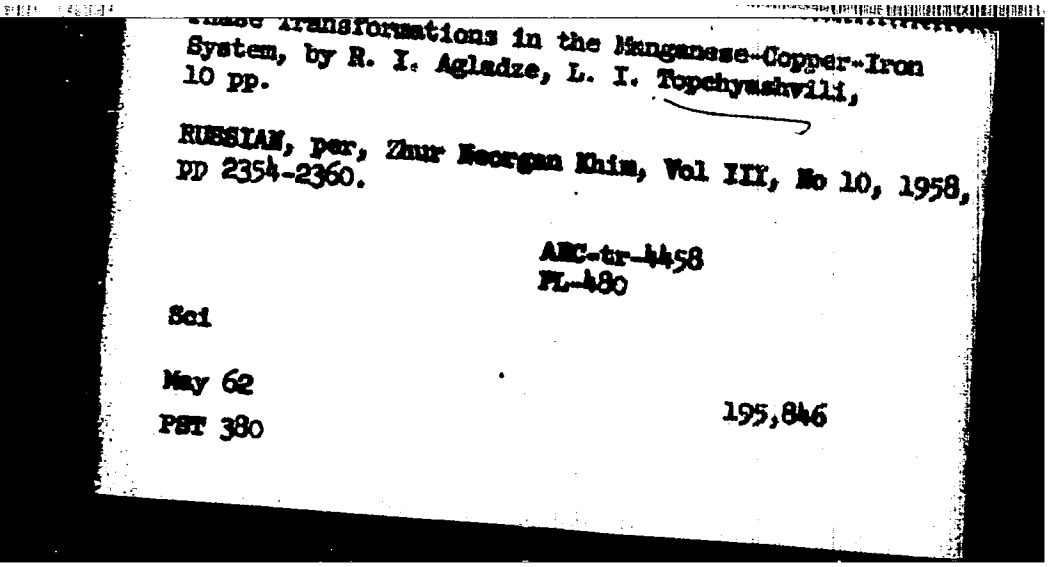

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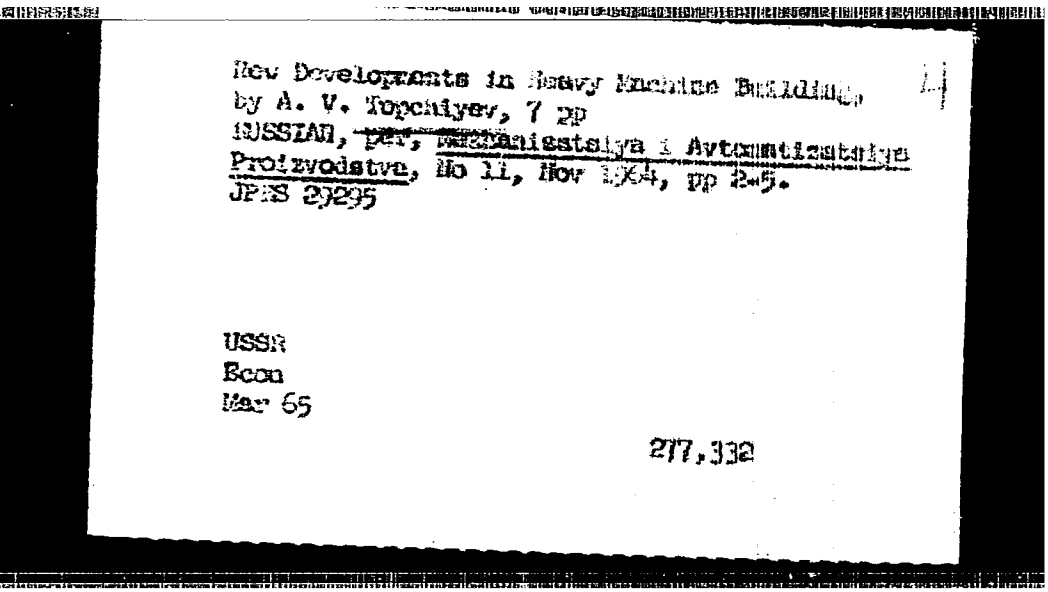

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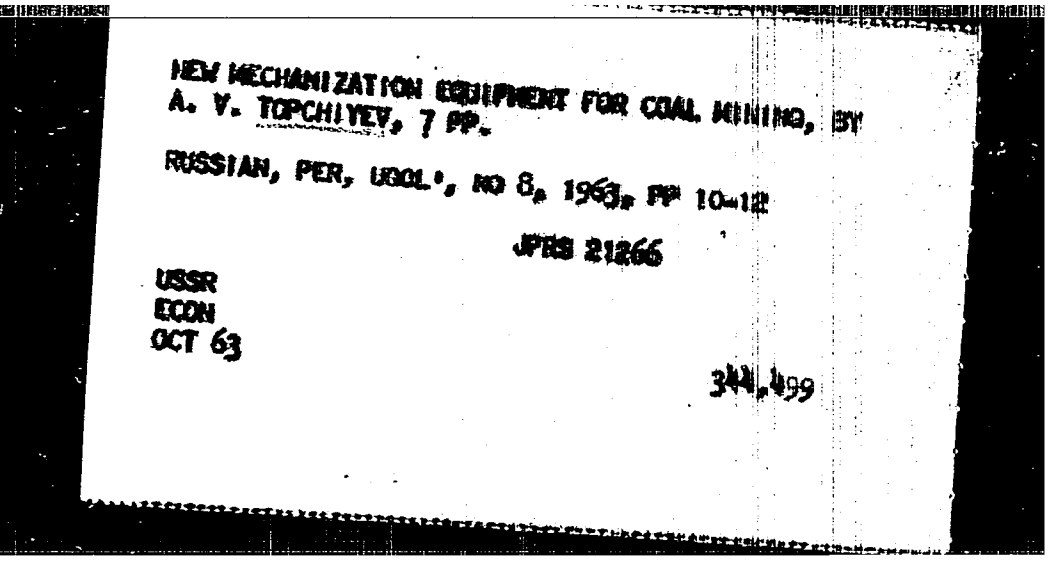

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Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1959, v. 125 [no. 2] p. 341-344.

Cyclohexanol dehydration and the catalytic conversion of cyclohexane were investigated in a reactor with a boiling layer of powdery, microspherical aluminosilicate catalyst. Cyclohexanol dehydration occurs until 200° on the aluminosilicates without noticeable conversion of the produced cyclohexene. Further temperature increase leads to isomerization, cyclohexene polymerization and hydrogen redistribution. The results show no essential difference in the conversion products of cyclohexanol and of cyclohexene.

(Chemistry--Organic, TT, v. 5, no. 8)

60-16895

1. Cyclohexenes--Chemical reactions
2. Catalysis--Applications
3. Hydrocarbons--Synthesis
4. Benzenes--Synthesis
5. Naphthalenes--Synthesis

I. Topchiyev, A. V.
II. Mamedaliyev, G. M.

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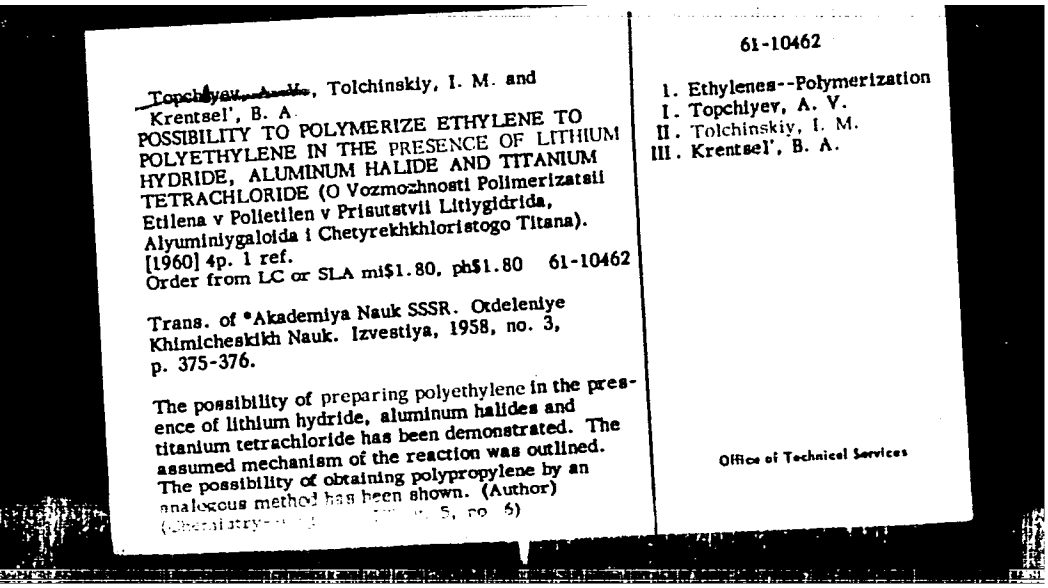

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POSSIBILITY TO POLYMERIZE ETHYLENE TO POLYETHYLENE IN THE PRESENCE OF LITHIUM HYDRIDE, ALUMINUM HALIDE AND TITANIUM TETRACHLORIDE (O Vozmozhnosti Polimerizatsii Etilena v Polietilen v Prisutstvii Litiygidrida, Alyuminiygaloida i Chetyrekhkhloristogo Titana). [1960] 4p. 1 ref.
Order from LC or SLA mi$1.80, ph$1.80 61-10462

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The possibility of preparing polyethylene in the presence of lithium hydride, aluminum halides and titanium tetrachloride has been demonstrated. The assumed mechanism of the reaction was outlined. The possibility of obtaining polypropylene by an analogous method has been shown. (Author)
(Chemistry [illegible], no. 5, no. 6)

61-10462

1. Ethylenes--Polymerization
I. Topchiyev, A. V.
II. Tolchinskiy, I. M.
III. Krentsel', B. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Perspectives de l'Utilisation Industrielle du Cracking Thermique Sous Radiations d'Hydrocarbures Normaux, (Prospects for Industrtrial Use of Radiation Thermal Cracking of Normal Hydrocarbons), by A. V. Topchiyev, L. S. Polak, M. Y. Cherniac, V. M. [redacted], I. V. Vereshchinsky, P. Y. Glazunov, 7 pp.

RUSSIAN to FRENCH, Communication CW/11C/84 Conference de Varsovie 3.59.

Reverse Trans
CEA Tr-R-1020

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Topchiyev, A. V., Paushkin, Ya. M., and Kurashev, M. V.
SYNTHESIS OF ISOPROPYLNAPHTHALENE AND SEC-BUTYLNAPHTHALENE BY THE ALKYLATION OF NAPHTHALENE WITH OLEFINS. [1960] 5p.
Order from ATS $6.25 ATS-90M45R

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(Chemistry--Organic, TT, v. 5, no. 1)

61-12089

1. Naphthalenes--Synthesis
I. Topchiyev, A. V.
II. Paushkin, Ya. M.
III. Kurashev, M. V.
IV. ATS-90M45R
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Topchiyev, A. V., Kreutsel, B. A. and others.
CHROMIUM OXIDES CATALYSTS FOR ETHYLENE POLYMERIZATION. [1960] [14]p. 8 refs.
Order from LC or SLA mi$2.40, ph$3.30 60-16901

Trans. of "Akad[emiya] Nauk SSSR. Otd[eleniye] Khim[icheskikh] Nauk. Izvestiya, 1959, no. 6, p. 1079-1087.
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(Chemistry--Organic, TT, v. 5, no. 3)

60-16901

1. Ethylenes--Polymerization
2. Chromium oxides--Catalytic properties
I. Topchiyev, A. V.
II. Kreutsel, B. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Synthesis of Some Alkylhalosilanes and Silicohydrocarbons, by A. V. Topchiev, N. S. Nametkin and T. I. Chernysheva, 4 pp.

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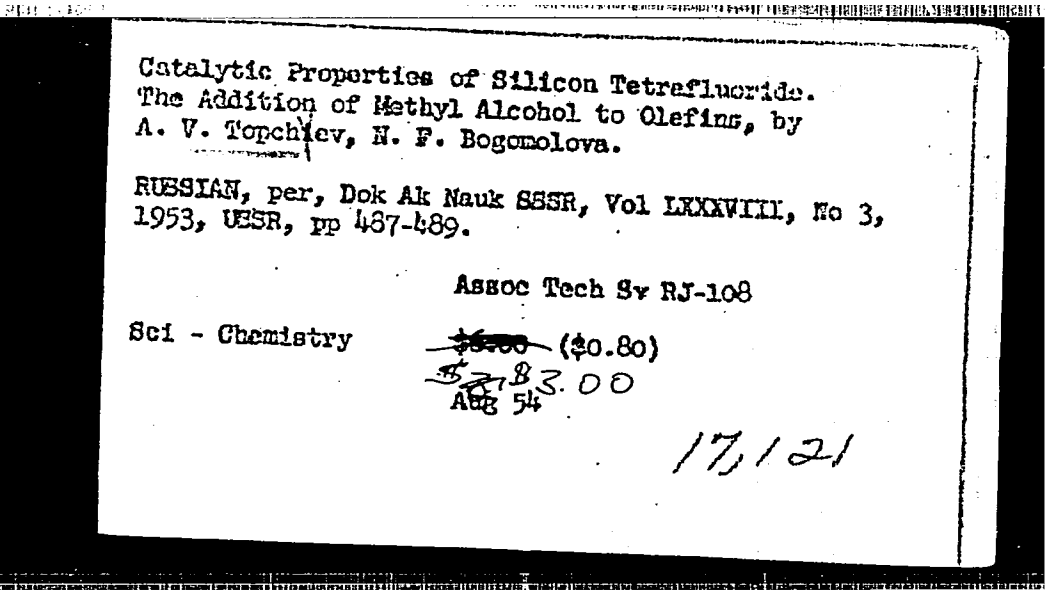

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Dehydrochlorination of 1,1,1,3-Tetrachloro-[illegible]3-Tetrachloro-3-methylbutane, by A. V. Topchiev, N. F. Bogomolova and Yu. Ya. Goldfarb, 4 pp.

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Polymerization of Ethylene to Polyethylene in the Presence of Lithium Hydride, Aluminum Halide, and Titanium Tetrachloride, by A. V. Topchiev, et al.

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Assoc Tech Serv RJ-1414

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Order from OTS or SLA $1.10 61-16710

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1959, v. 128, no. 4, p. 732-735.

DESCRIPTORS: *Polymerization, *Propenes, *Catalysts, *Titanium compounds, Chlorides, Metalorganic compounds, Aluminum compounds, Exchange reactions.

(Chemistry--Physical, TT, v. 6, no. 9)

61-16710

1. Title: Stereospecific polymerization
I. Topchiev, A. V.
II. Krentsel', B. A.
III. Sidorova, L. G.

Office of Technical Services

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Topchiyev, A. V , Musayev, I. A. and others.
COMBINED METHOD FOR A DETAILED INVESTIGATION ON THE GROUP COMPOSITION OF CRACKING GASOLINES. [1961] 5p. 9 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-10384

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1959, v. 128 [no. 5, p. 966-969].

The present article describes a combined method, including a chromatographic separation of standard fractions (60 - 175) from cracking gasoline in hydrocarbon classes combined with hydrodehydrogenizing catalysis. This method permits determination of the chemical composition in fractions separately, according to seven subgroups of saturated and unsaturated hydrocarbons. (Author)

(Chemistry--Analytical, TT, v. 5, no. 10)

61-10384

1. Gasoline--Fractionation
2. Hydrocarbons--Determination
3. Chromatographic analysis--Applications

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II. Musayev, I A.

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